

AMERICAN JOURNAL OF MATHEMATICS

FOUNDED BY THE JOHNS HOPKINS UNIVERSITY

EDITED BY

WEI-LIANG CHOW
THE JOHNS HOPKINS UNIVERSITY

PHILIP HARTMAN
THE JOHNS HOPKINS UNIVERSITY

G. D. MOSTOW
YALE UNIVERSITY

STEPHEN SMALE
UNIVERSITY OF CALIFORNIA

WITH THE COÖPERATION OF

R. BOTT
C. CHEVALLEY
K. L. CHUNG

J.-I. IGUSA
A. M. GLEASON
L. V. HÖRMANDER

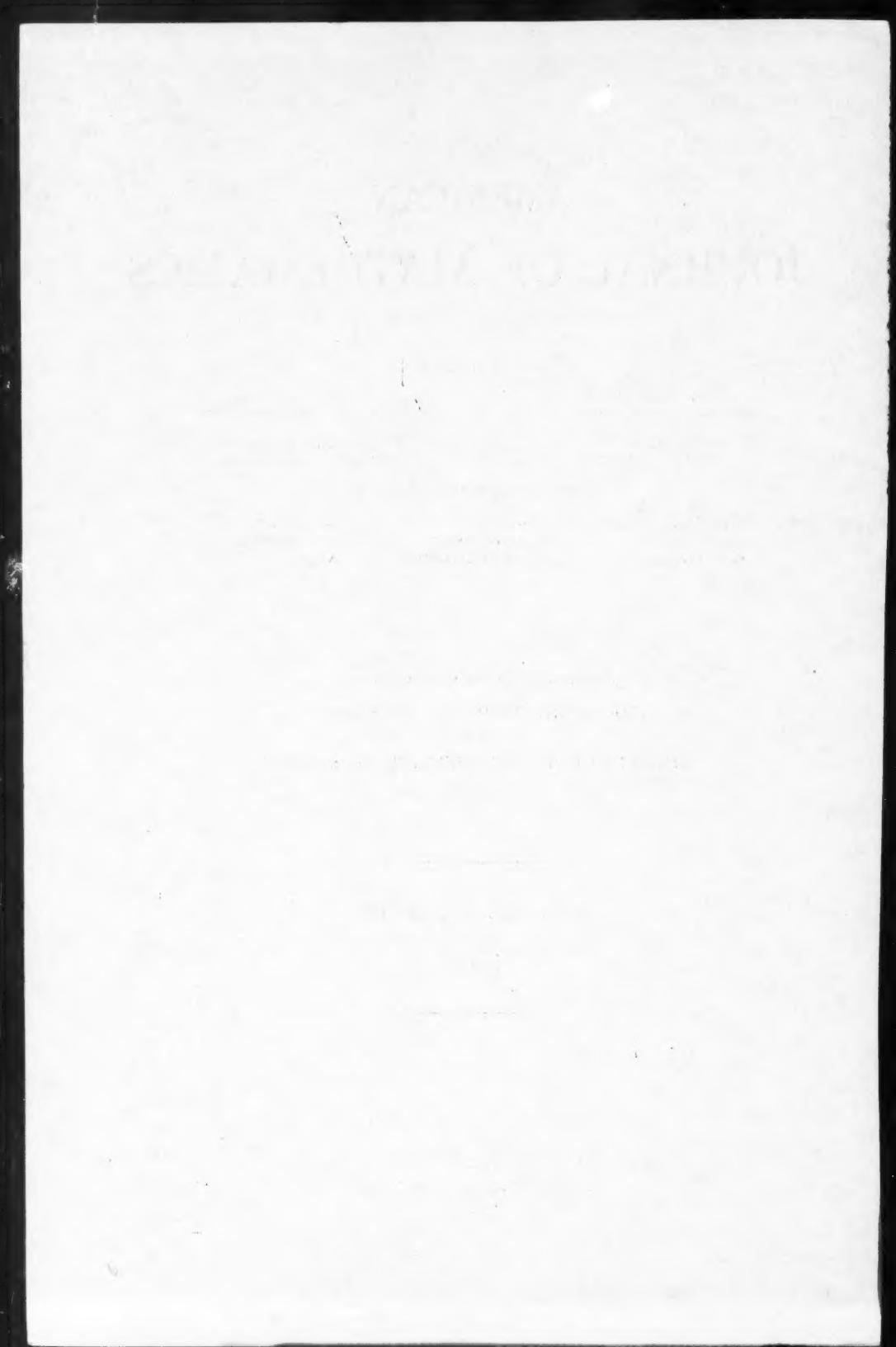
K. KODAIRA
D. C. SPENCER
A. WEIL

PUBLISHED UNDER THE JOINT AUSPICES OF
THE JOHNS HOPKINS UNIVERSITY
AND
THE AMERICAN MATHEMATICAL SOCIETY

VOLUME LXXXVIII

1966

THE JOHNS HOPKINS PRESS
BALTIMORE, MARYLAND 21218
U. S. A.



INDEX

	PAGE
HEMPEL, J. P. and D. R. McMILLAN, JR. Locally nice embeddings of manifolds,	1
MCMILLAN, D. R., JR. See J. P. Hempel and D. R. McMillan, Jr., page 1.	
WALL, C. T. C. An extension of results of Novikov and Browder,	20
HEEREMA, NICKOLAS. Derivations and automorphisms of complete regular local rings,	33
AUSLANDER, L. and L. W. GREEN. G -induced flows,	43
GREEN, L. W. See L. Auslander and L. W. Green, page 43.	
BOMBIERI, E. and H. DAVENPORT. On two problems of Mordell,	61
DAVENPORT, H. See E. Bombieri and H. Davenport, page 61.	
BOMBIERI, ENRICO. On exponential sums in finite fields,	71
RIEHM, CARL R. The structure of the symplectic group over a valuation ring,	106
ARTIN, MICHAEL. On isolated rational singularities of surfaces,	129
HSIANG, WU-YI. On the classification of differentiable $SO(n)$ actions on simply connected π -manifolds,	137
MOORE, CALVIN C. Ergodicity of flows on homogeneous spaces,	154
RENGLI, H. On maximal Riemann surfaces,	179
GRIFFIN, CHARLES H. The generalized Smith conjecture,	187
KAMBAYASHI, T. Projective representation of algebraic linear groups of transformations,	199
BARRAR, RICHARD. A proof of the convergence of the Poincaré-von Zeipel procedure in celestial mechanics,	206
IGUSA, JUN-ICHI. On the graded ring of theta-constants (II),	221
GLASER, LESLIE C. 1-1 continuous mappings onto E^n ,	237
HOCHSCHILD, G. and G. D. MOSTOW. Deformations of affine embeddings of complex analytic homogeneous spaces,	244
MOSTOW, G. D. See G. Hochschild and G. D. Mostow, page 244.	
SERRIN, JAMES and H. F. WEINBERGER. Isolated singularities of solutions of linear elliptic equations,	258
WEINBERGER, H. F. See James Serrin and H. F. Weinberger, page 258.	
HOYT, WILLIAM L. On the Chow bunches for different projective embeddings of a complete variety,	273

	PAGE
ADAMS, WILLIAM W. Transcendental numbers in the P -adic domain,	279
BURGESS, C. E. Pairs of 3-cells with intersecting boundaries in E^3 ,	309
ROSENBLUM, MARVIN. A spectral theory for self-adjoint singular integral operators,	314
ACCOLA, R. D. M. Invariant domains for Kleinian groups,	329
GERSTEN, STEPHEN M. A product formula for Wall's obstruction,	337
FEARNLEY, L. Embeddings of topological products of K -cell-like continua,	347
LEVINE, HAROLD I. Mappings of manifolds into the plane,	357
GRIFFITHS, PHILLIP A. The extension problem in complex analysis II; embeddings with positive normal bundle,	366
FALB, PETER A. A note on coverings over imperfect ground fields,	447
ANDREWS, GEORGE E. On the theorems of Watson and Dragonette for Ramanujan's mock theta functions,	454
SMALE, S. Structurally stable systems are not dense,	491
HAMMOND, WILLIAM F. The modular groups of Hilbert and Siegel,	497
SCHMIDT, WOLFGANG M. Simultaneous approximation to a basis of a real numberfield,	517
ANDRÉ, M. Categories of functors and adjoint functors,	529
KLEPPNER, ADAM. Representations induced from compact subgroups,	545
RIEHM, CARL R. Orthogonal groups over the integers of a local field I,	553
KADISON, RICHARD V. and JOHN R. RINGROSE. Derivations of operator group algebras,	562
RINGROSE, JOHN R. See Richard V. Kadison and John R. Ringrose, page 562.	
HIRSCHMAN, I. I., JR. The strong Szegö limit theorem for Toeplitz determinants,	577
AUSLANDER, LOUIS. Modifications of solvmanifolds and G -induced flows,	615
GILBERT, JOHN E. Spectral synthesis for invariant subspaces on groups I,	626
VILLANI, VINICIO. Cohomological properties of complex spaces which carry over to normalizations,	636
HOLMES, R. and N. SMYTHE. Algebraic invariants of isotopy of links,	646
SMYTHE, N. See R. Holmes and N. Smythe, page 646.	
PORTER, GERALD J. The homotopy groups of wedges of suspensions,	655

INDEX.

v

	PAGE
HAGIS, PETER, JR. Some theorems concerning partitions into odd summands,	664
KODAIRA, K. On the structure of compact analytic surfaces, II,	682
BEARDON, A. F. The Hausdorff dimension of singular sets of properly discontinuous groups,	721
SORANI, GIULIANO. Integral representations of holomorphic functions,	737
ARTIN, MICHAEL. Lifting of two-dimensional singularities to characteristic zero,	747
POLLAK, BARTH. On the structure of local orthogonal groups,	763
SEELEY, R. T. Singular integrals and boundary value problems,	781
COBURN, LEWIS A. The spectra of generalized Toeplitz operators,	810
BROWN, EDGAR H., JR. and FRANKLIN P. PETERSON. The Kervaire invariant of $8k + 2$ -manifolds,	815
PETERSON, FRANKLIN P. See Edgard H. Brown, Jr. and Franklin P. Peterson, page 815.	
GORDON, HUGH. The maximal ideal space of a ring of measurable functions,	827
ANDREWS, GEORGE E. An analytic proof of the Rogers-Ramanujan-Gordon identities,	844
HOCHSCHILD, G. and G. D. MOSTOW. Representative algebraic structures on complex analytic homogeneous spaces,	847
MOSTOW, G. D. See G. Hochschild and G. D. Mostow, page 847.	
EARLE, CLIFFORD J. A reproducing formula for integrable automorphic forms,	867
RIEFFEL, MARC A. On extensions of locally compact groups,	871
FARKAS, HERSHEL M. Special divisors and analytic subloci of Teichmueller space,	881
ARTIN, M. Etale coverings of schemes over Hensel rings,	915
SAKAI, SCHÔICHIRO. On a problem of Calkin,	935
KIRWAN, WILLIAM E. Extremal problems for the typically real functions,	943

